

ABSTRACT OF THE DISCLOSURE

This invention describes a system and method for reducing communications throughput latency caused by the low-level communications protocol and serial communications interface associated with the use of personal security devices. To improve the data throughput, a cache is created under the exclusive ownership of an API level program called a cache server. The cache server maintains access rights associated with the data transferred from the PSD into cache memory. Requests made by programs for cached PSD data are first verified for access rights and serviced by the cache server. Cryptographic techniques may be employed to prevent unauthorized monitoring of the contents of the cache.